In lonal Application No PCT/GB2004/001398

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER C12N1/20 C12R1/01 A61K35/74	1				
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS	SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C12R A61K						
	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic de	ata base consulted during the International search (name of data base	e and, where practical, search terms used)	1			
EPO-In	ternal, BIOSIS, EMBASE, PAJ, WPI Data	a, CHEM ABS Data				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.			
X	BOURRIAUD C ET AL.: "Butyrate profession lactate by human colonic mick REPROD NUTR DEV, vol. 42, 2002, page S55, XP009035; cited in the application	roflora"	1-5, 10-22			
x	abstract  GIBSON G R ET AL: "OCCURRENCE OF 1-5, SULFATE-REDUCING BACTERIA IN HUMAN FECES 10-22 AND THE RELATIONSHIP OF DISSIMILATORY					
	SULFATE REDUCTION TO METHANOGENESIS IN THE LARGE GUT"  JOURNAL OF APPLIED BACTERIOLOGY, vol. 65, no. 2, 1988, pages 103-112, XP009035388 ISSN: 0021-8847 the whole document					
	table 1					
		/ <b></b>				
X Furt	her documents are listed in the continuation of box C.	Patent family members are listed to	n annex.			
	ategories of cited documents:	"T" later document published after the line or priority date and not in conflict with clied to understand the principle or the	the application but			
"E" earlier of filing of	"A" document defining the general state of the art which is not considered to be of particular relevance invention  "E" earlier document but published on or after the international filling date  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to					
"L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claimon of their special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or			Raimad Invention ventive step when the ore other such docu-			
other means  Po document published prior to the international filing date but later than the priority date claimed  "&" document member of the same patent family						
1	actual completion of the international search	Date of mailing of the international sea				
25 August 2004		07/09/2004				
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2		Authorized officer	-			
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016  Petr1, B						

Inti nal Application No PCT/GB2004/001398

C./Continu	intilinuation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Louis visualista No.	
X	HOLD GEORGINA L ET AL: "Assessment of microbial diversity in human colonic samples by 16S rDNA sequence analysis" FEMS MICROBIOLOGY ECOLOGY, vol. 39, no. 1, January 2002 (2002-01), pages 33-39, XP002293314 ISSN: 0168-6496 cited in the application the whole document table 1 & DATABASE EMBL "clone HuCA15" retrieved from EBI Database accession no. AJ408968 abstract & DATABASE EMBL "clone HuCB26" retrieved from EBI Database accession no. AJ409000 abstract & DATABASE EMBL "isolate HuCC15" retrieved from EBI Database accession no. AJ315482 abstract & DATABASE EMBL "clone HuCA20" retrieved from EBI Database accession no. AJ408972 abstract	9-22
x	BARCENILLA A ET AL: "Phylogenetic relationships of butyrate-producing bacteria from the human gut."  APPLIED AND ENVIRONMENTAL MICROBIOLOGY.  APR 2000,  vol. 66, no. 4, April 2000 (2000-04),  pages 1654-1661, XP002293315  ISSN: 0099-2240  cited in the application  the whole document  table 4  & DATABASE EMBL "Butyrate-producing bacterium L2-7"  retrieved from EBI  Database accession no. AJ270490  abstract	9-22
X	ZOETENDAL E G ET AL: "Temperature gradient gel electrophoresis analysis of 16S rRNA from human fecal samples reveals stable and host-specific communities of active bacteria."  APPLIED AND ENVIRONMENTAL MICROBIOLOGY.  OCT 1998, vol. 64, no. 10, October 1998 (1998-10), pages 3854-3859, XP002909919  ISSN: 0099-2240 the whole document	9-22

Int Ional Application No PCT/GB2004/001398

	TO BE THE BOARD TO BE THE THE TOTAL THE	PC1/4B2004/001398
C.(Continua Category °	Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  agory Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim N	
	Silator di assantani, minimata ang managan	
	& DATABASE EMBL "bacterium A07" retrieved from EBI Database accession no. AF052409 abstract	
X	LESER THOMAS D ET AL:  "Culture-independent analysis of gut bacteria: the pig gastrointestinal tract microbiota revisited."  APPLIED AND ENVIRONMENTAL MICROBIOLOGY. FEB 2002,  vol. 68, no. 2, February 2002 (2002-02), pages 673-690, XP002293316  ISSN: 0099-2240  the whole document  & DATABASE EMBL "clone p-2001-s959-5" retrieved from EBI  Database accession no. AF371658  abstract  & DATABASE EMBL "clone p-2566-9F5" retrieved from EBI  Database accession no. AF371660  abstract  & DATABASE EMBL "clone p-197-05" retrieved from EBI  Database accession no. AF371659	9-22
X	abstract  ZHU XIANG Y ET AL: "16S rRNA-based analysis of microbiota from the cecum of broiler chickens."  APPLIED AND ENVIRONMENTAL MICROBIOLOGY.  JAN 2002,  vol. 68, no. 1, January 2002 (2002-01),  pages 124-137, XP002293317  ISSN: 0099-2240  the whole document  & DATABASE EMBL "bacterium ckncm327-B6-72"  retrieved from EBI  Database accession no. AF376231  abstract	9-22
X	SUAU A ET AL: "Direct analysis of genes encoding 16S rRNA from complex communities reveals many novel molecular species within the human gut."  APPLIED AND ENVIRONMENTAL MICROBIOLOGY.  NOV 1999,  vol. 65, no. 11, November 1999 (1999-11),  pages 4799-4807, XP002293318  ISSN: 0099-2240  cited in the application the whole document figures 1-5	9-22

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Intq = onal Application No PCT/GB2004/001398

Polyment to girtin No.	C (Continue	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT	1017 4820047 001330
retrieved from EBI Database accession no. AF132254 abstract  P,X  LOUIS PETRA ET AL: "Restricted distribution of the butyrate kinase pathway among butyrate-producing bacteria from the human colon." JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 8 DATABASE EMBL "Butyrate-producing bacterium GM2/1" retrieved from EBI Database accession no. AY305315 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract 8 DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SS2/2" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305319	Category °		Relevant to claim No.
retrieved from EBI Database accession no. AF132254 abstract  P,X  LOUIS PETRA ET AL: "Restricted distribution of the butyrate kinase pathway among butyrate-producing bacteria from the human colon." JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 8 DATABASE EMBL "Butyrate-producing bacterium GM2/1" retrieved from EBI Database accession no. AY305315 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SS2/2" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SS2/2" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305319 abstract 8 DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305320			
Database accession no. AF132254 abstract   LOUIS PETRA ET AL: "Restricted distribution of the butyrate kinase pathway among butyrate-producing bacteria from the human colon." JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GM2/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305319			1
p,X  LOUIS PETRA ET AL: "Restricted distribution of the butyrate kinase pathway among butyrate-producing bacteria from the human colon."  JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429  ISSN: 0021-9193  the whole document table 1  & DATABASE EMBL "Butyrate-producing bacterium GM2/1" retrieved from EBI Database accession no. AY305315 abstract  & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract  & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract  & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract  & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract  & DATABASE EMBL "Butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract  & DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract  & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305319 abstract			
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distribution of the butyrate kinase pathway among butyrate-producing bacteria from the human colon."  JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GMZ/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SN6/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SN6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SSZ/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSZ/2" retrieved from EBI Database accession no. AY305320		adstract	
distribution of the butyrate kinase pathway among butyrate-producing bacteria from the human colon."  JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7. April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GMZ/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SSZ/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSZ/2" retrieved from EBI Database accession no. AY305320	P.X	LOUIS PETRA ET AL: "Restricted	9-22
from the human colon."  JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GM2/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SSC/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305320	• •	distribution of the butyrate kinase	
from the human colon."  JOURNAL OF BACTERIOLOGY. APR 2004, vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GM2/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SSC/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305320		pathway among butyrate-producing bacteria	
vol. 186, no. 7, April 2004 (2004-04), pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GMZ/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305320		from the human colon."	
pages 2099-2106, XP009035429 ISSN: 0021-9193 the whole document table 1 & DATABASE EMBL "Butyrate-producing bacterium GMZ/1" retrieved from EBI Database accession no. AY305315 abstract & DATABASE EMBL "Butyrate-producing bacterium SS3/4" retrieved from EBI Database accession no. AY305316 abstract & DATABASE EMBL "Butyrate-producing bacterium SL6/1/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305317 abstract & DATABASE EMBL "Butyrate-producing bacterium SM6/1" retrieved from EBI Database accession no. AY305318 abstract & DATABASE EMBL "butyrate-producing bacterium SS2/1" retrieved from EBI Database accession no. AY305319 abstract & DATABASE EMBL "Butyrate-producing bacterium SSC/2" retrieved from EBI Database accession no. AY305320		JOURNAL OF BACTERIOLOGY. APR 2004,	
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national application No. PCT/GB2004/001398

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
Although claims 12-18 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.				
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report Is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:				
Remark on Protest  The additional search fees were accompanied by the applicant's protest.				
No protest accompanied the payment of additional search fees.				